

Please amend the claims as follows:

A38 559. (Amended) The method of claim 531, wherein a partial pressure of H₂ is measured when the mixture is at a production well.

A39 599. (Amended) The method of claim 570, wherein a partial pressure of H₂ is measured when the mixture is at a production well.

A40 694. (Amended) The method of claim 665, wherein a partial pressure of H₂ is measured when the mixture is at a production well.

A41 734. (Amended) The method of claim 745, wherein a partial pressure of H₂ is measured when the mixture is at a production well.

N.E. Exr: Note Claims 707, 744, 745 cancelled